

REMARKS

Applicants acknowledge with appreciation the interview granted by the Examiner on 21 July 2006 regarding the present application, and the detailed office action which formed the basis for this response. During the interview, the undersigned discussed several proposed limitations with the Examiner, and in particular the incorporated limitations of formation temperature and electron density found herein. This response is being submitted in furtherance of that interview.

In one line of discussion, applicants offered to amend selected claims to include reaction temperature limitations. The instant specification discloses a range of reaction temperatures from between about 90°C - 400°C both inclusive. See ¶¶ [0016] and [0038]. The Examiner indicated that US 6,600,524 failed to disclose or teach reaction temperatures lower than 200°C and applicants confirmed that the instant specification taught a range of less than 200°C. See, e.g., ¶ [0032]. Thus, applicant has amended the several claims to include this limitation, which is believed to define over the prior art of record.

The Examiner and undersigned also explored another line of discussion concerning the plasma electron density used during manufacture of the dielectric film. The limitation where the film is “formed in a plasma environment having an electron density of at least $3 \times 10^{11} \text{ cm}^{-3}$ ” was acknowledged by the Examiner as not being disclosed in the prior art of record, and has therefore been added to claims 2, 3, 14 and 15.

While the Examiner conceded that the prior art of record appeared to lack disclosure or teaching of the two limitations proposed by applicants, he and the undersigned recognized the need to specifically search for these limitations. It was therefore agreed that applicants would file a Request for Continued Examination so that the Examiner could more thoroughly search the prior art.

Applicants have further added a new article of manufacture claim to ensure that all proposed composition combinations are covered by these newly added limitations. Applicants submit that no new matter has been introduced in view of these amendments.

Upon receipt of the Notice of Allowance, applicants will revise the specification and Abstract to conform to the allowed subject matter combinations. At that time, applicants will also address any translation artifacts that may exist in the application. Applicants believe that no additional fees are due in connection with this response (a Request for Continued Examination has been made concurrently herewith, and payment therefore has been tendered by way of enclosed check). However, should any additional fees be required, please charge them to Deposit Account No. 07-1897.

DATED this 11th day of August 2006.

Respectfully submitted,

GRAYBEAL JACKSON HALEY, LLP

A handwritten signature in black ink, appearing to read "Stephen M. Evans", with a stylized, flowing script.

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